

MD  
3/17/04

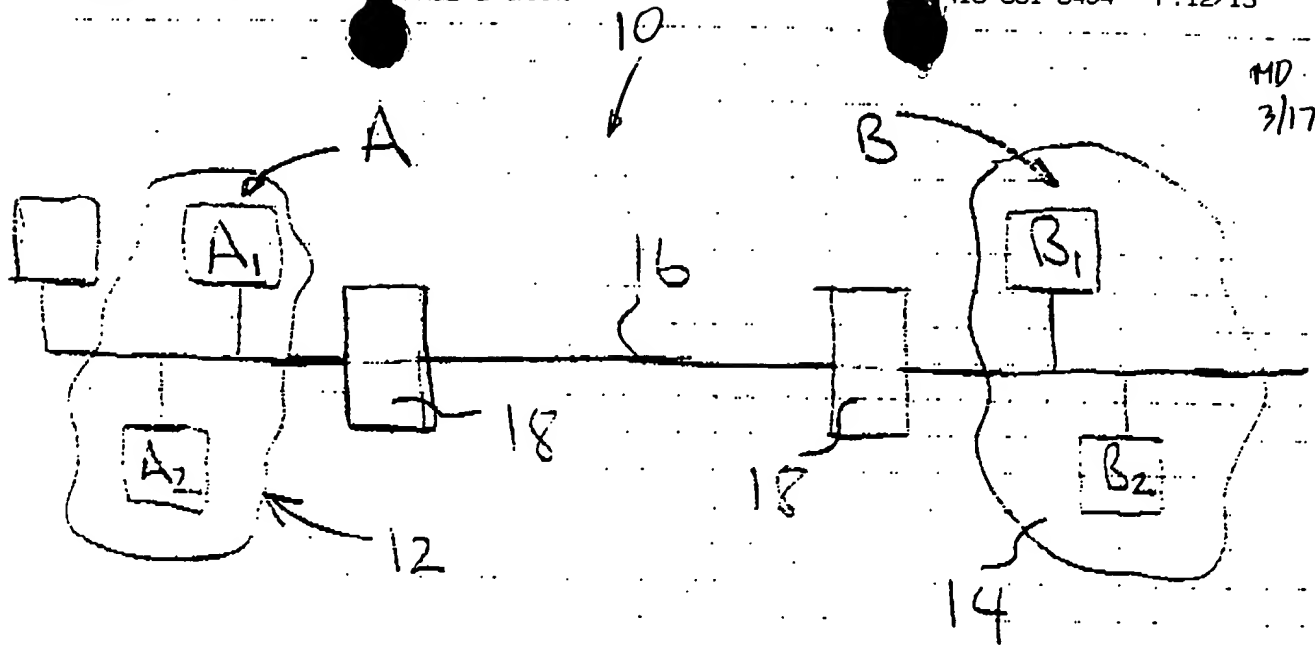


FIG 1

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$$\overbrace{A_1 \quad A_2}^A$$

$$\begin{array}{c} a_1 \quad a_2 \\ a_1 p \quad a_2 p \\ \downarrow \quad \downarrow \\ a p = a_1 p + a_2 p \end{array} \quad \xrightarrow{t_B} \quad p$$

$$\begin{array}{c} x_1 \quad x_2 \\ x_1 p = x_1 \quad x_2 p = x_2 \\ \downarrow \quad \downarrow \\ r = x_1 + x_2 \end{array} \quad \xrightarrow{t_B} \quad B$$

$$r = x_1 + x_2$$

$$s_1 = x_1 + a_1 f(r) \quad s_2 = x_2 + a_2 f(r)$$

$$S = s_1 + s_2$$

$$S = s_1 + s_2$$

$$\text{compute } K = S(\bar{r} + (b p) f(\bar{r}))$$

Fig 2.

$$\overbrace{B_1 \quad B_2}^B$$

$$\begin{array}{c} b_1 \quad b_2 \\ b_1 p \quad b_2 p \\ \downarrow \quad \downarrow \\ b p = b_1 p + b_2 p \end{array} \quad \xrightarrow{t_A} \quad A$$

$$y_1 \quad y_2$$

$$y_1 p = y_1 \quad y_2 p = y_2$$

$$\begin{array}{c} \xrightarrow{t_A} A \\ \bar{r} = y_1 + y_2 \quad \bar{r} = y_1 + y_2 \end{array}$$

$$t_1 = y_1 + b_1 f(\bar{r}) \quad t_2 = y_2 + b_2 f(\bar{r})$$

$$t = t_1 + t_2$$

$$\text{compute } K = t(r + (b p) f(\bar{r}))$$

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